



Product designation

Product type designation

Switching power  
supplies  
PSL1

### Input characteristics

Input type	Single-phase		
Rated supply voltage AC	VAC	Self-configurable 115...230	
Operating range	V	90...132VAC - 180...264VAC / 210...375VDC	
Rated frequency	Hz	50/60	
Operational frequency	min	Hz	47
	max	Hz	63
Current consumption Max	mA	2.8A (90VAC) / 1.4A (180VAC)	
PFC	0.7		
Insulation voltage Input/Output	AC	VAC	3000
	DC	VAC	4242
Internal fuse (250VAC)	T3 15A 250VAC		

### Output characteristics

Rated output voltage DC	VDC	24
Voltage trimming (potentiometer) DC	min	VDC 22.5
	Max	VDC 28.5
Rated output current	A	5
Rated output power	W	120
Temperature coefficient	%/°C	±0.03
Line adjustment	%	±0.5
Load adjustment	%	±1
Efficiency	%	86
Overload protection		110...145%
Short-circuit protection		Fold forward
Ripple & noise	mV	50
Parallel connection	Nr.	3

### Indications

LED indicator for power on	Yes
LED indicator for low voltage	Yes
Power Rdy (Ready - minimum limit)	Yes

### Connections

Terminals type	Screw
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### Ambient conditions

Temperature	Operating temperature
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Storage temperature	min	°C	-35
	max	°C	+71

min	°C	-40
max	°C	+85

Derating	%/°C	2.5%/°C above 60°C
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## Housing

Material	Metal
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IEC degree of protection	IP20
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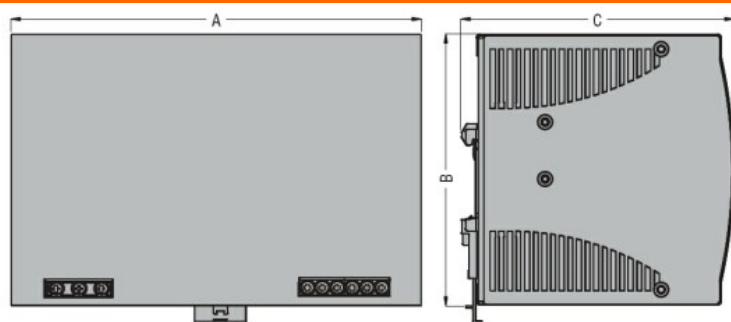
Dimensions (W x H x D)	mm	64 x 124.5 x 123.6
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Weight	g	1018
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## Installations

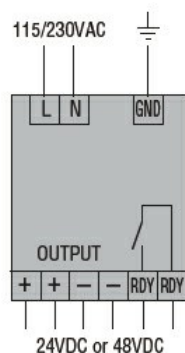
Mounting	On 35mm DIN rail
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## Dimensions



TYPE	A	B	C
PSL1 120...	64 (2.52")	124.5 (4.90")	123.6 (4.87")
PSL1 240...	83.5 (3.29")	124.5 (4.90")	123.6 (4.87")
PSL1 300...	83.5 (3.29")	124.5 (4.90")	123.6 (4.87")
PSL1 480...	175.5 (6.91")	124.5 (4.90")	123.6 (4.87")
PSL3 120 24	74.3 (2.92")	124 (4.88")	118.8 (4.68")
PSL3 240...	89 (3.50")	124 (4.88")	118.8 (4.68")
PSL3 480...	150 (5.90")	124 (4.88")	118.8 (4.68")
PSL3 960...	275.8 (10.86")	125.9 (4.96")	120.3 (4.74")

## Wiring diagrams



## Certifications and compliance

### Compliance

CSA C22.2 n°14
IEC/EN/BS 61000-6-2
IEC/EN/BS 61000-6-3
IEC/EN/BS 62368-1
UL 508

### Certificates

cULus
EAC
RCM

## ETIM classification

ETIM 8.0	EC002540 - DC-power supply
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